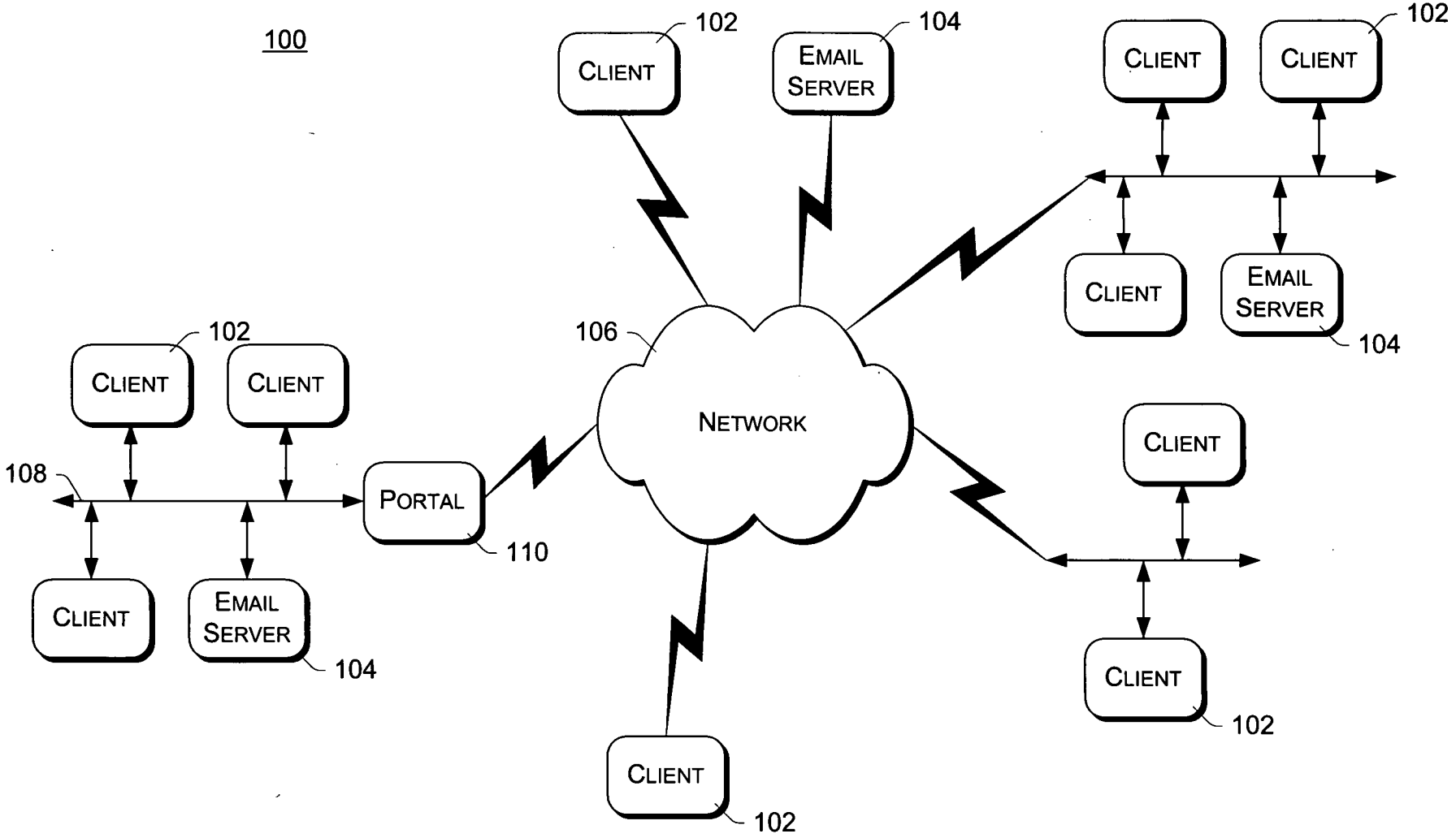
100
CLIENT
102
EMAIL SERVER
104
CLIENT
CLIENT
102
CLIENT
EMAIL SERVER
104
106
NETWORK
CLIENT
102
CLIENT
CLIENT
102
108
PORTAL
110
CLIENT
EMAIL SERVER
104
CLIENT
102

Fig. 1

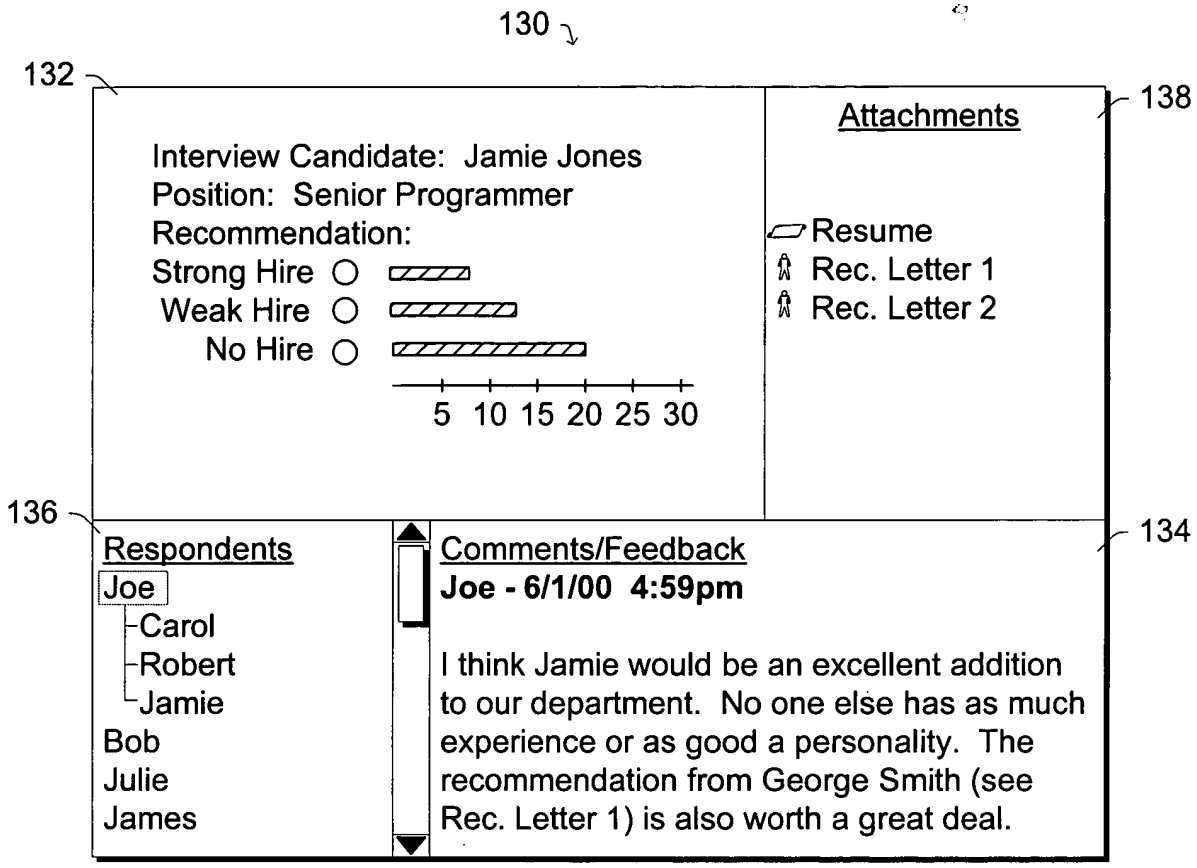
130
132
138
Attachments
Interview Candidate: Jamie Jones
Position: Senior Programmer
Recommendation:
Strong Hire
Weak Hire
No Hire
5 10 15 20 25 30
Resume
Rec. Letter 1
Rec. Letter 2
136
134
Respondents
Joe
Carol
Robert
Jamie
Bob
Julie
James
Comments/Feedback
Joe - 6/1/00 4:59pm
I think Jamie would be an excellent addition to our department. No one else has as much experience or as good a personality. The recommendation from George Smith (see Rec. Letter 1) is also worth a great deal.

Fig. 2

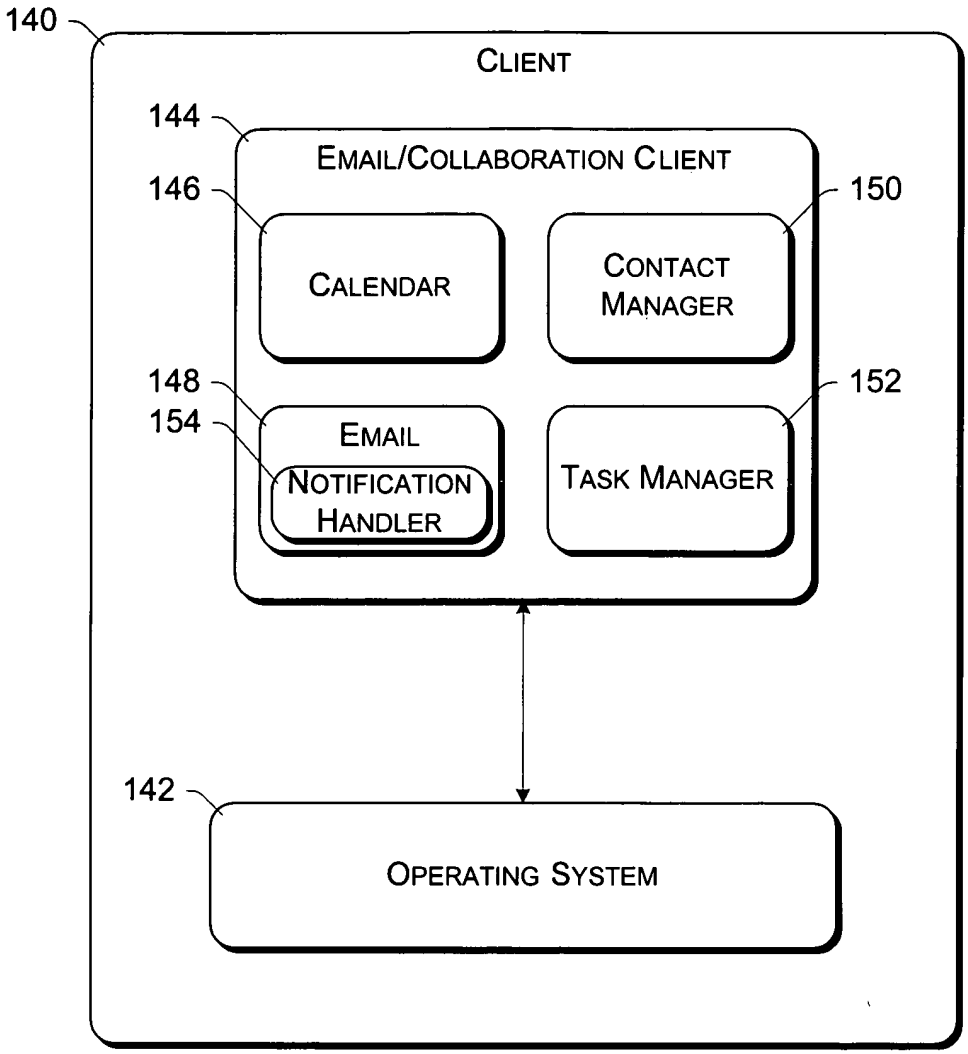
140
CLIENT
144
EMAIL/COLLABORATION CLIENT
146
150
CALENDAR
CONTACT MANAGER
148
152
154
EMAIL
NOTIFICATION HANDLER
TASK MANAGER
142
OPERATING SYSTEM

Fig. 3

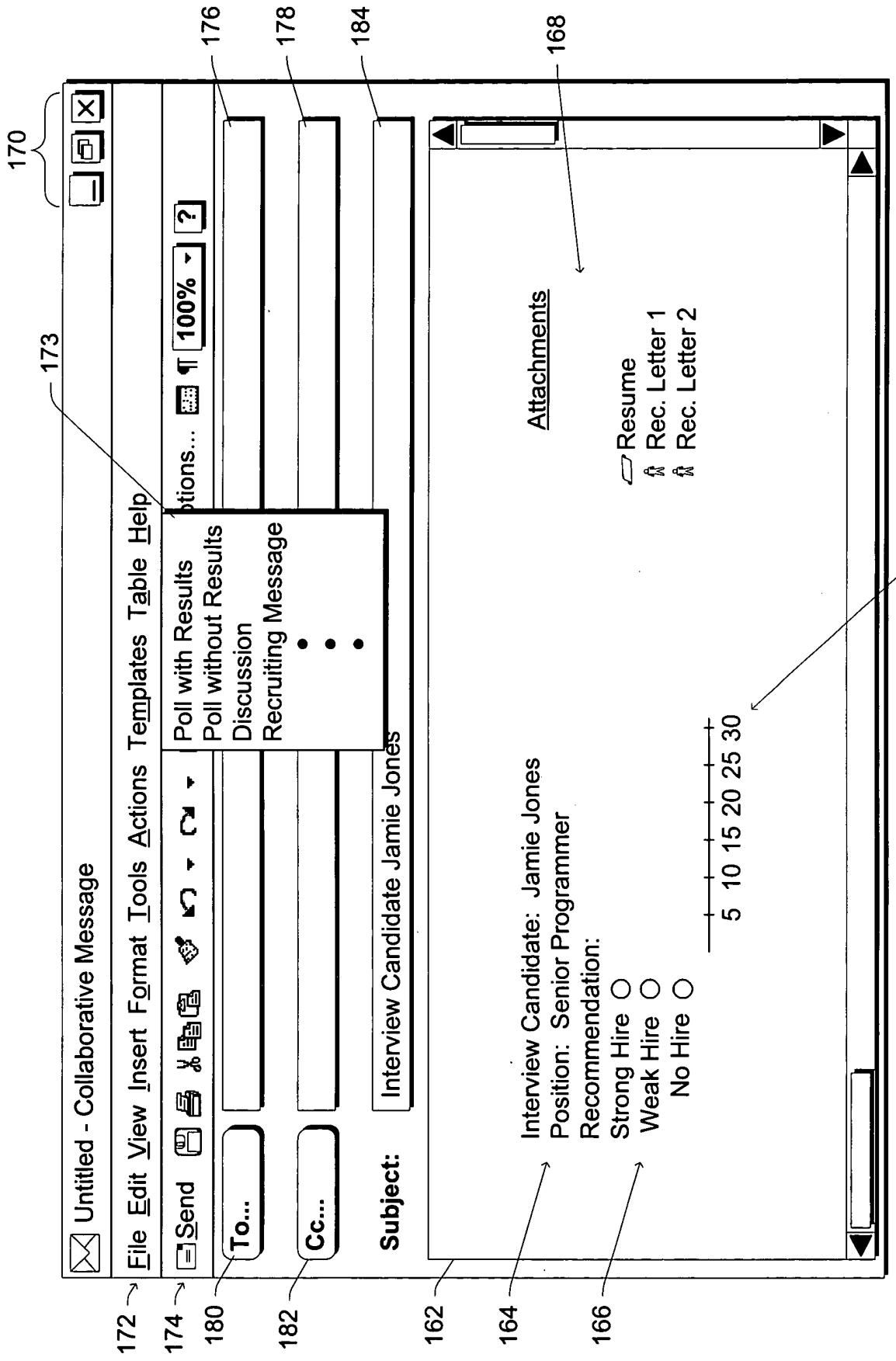
Untitled - Collaborative Message
File Edit View Insert Format Tools Actions Templates Table Help
Send
To...
Cc...
Subject:
Interview Candidate Jamie Jones
Poll with Results
Poll without Results
Discussion
Recruiting Message
100%
Attachments
Resume
Rec. Letter 1
Rec. Letter 2
Interview Candidate: Jamie Jones
Position: Senior Programmer
Recommendation:
Strong Hire
Weak Hire
No Hire
5 10 15 20 25 30
170
172
173
174
176
178
180
182
184
162
164
166
168
168

Fig. 4

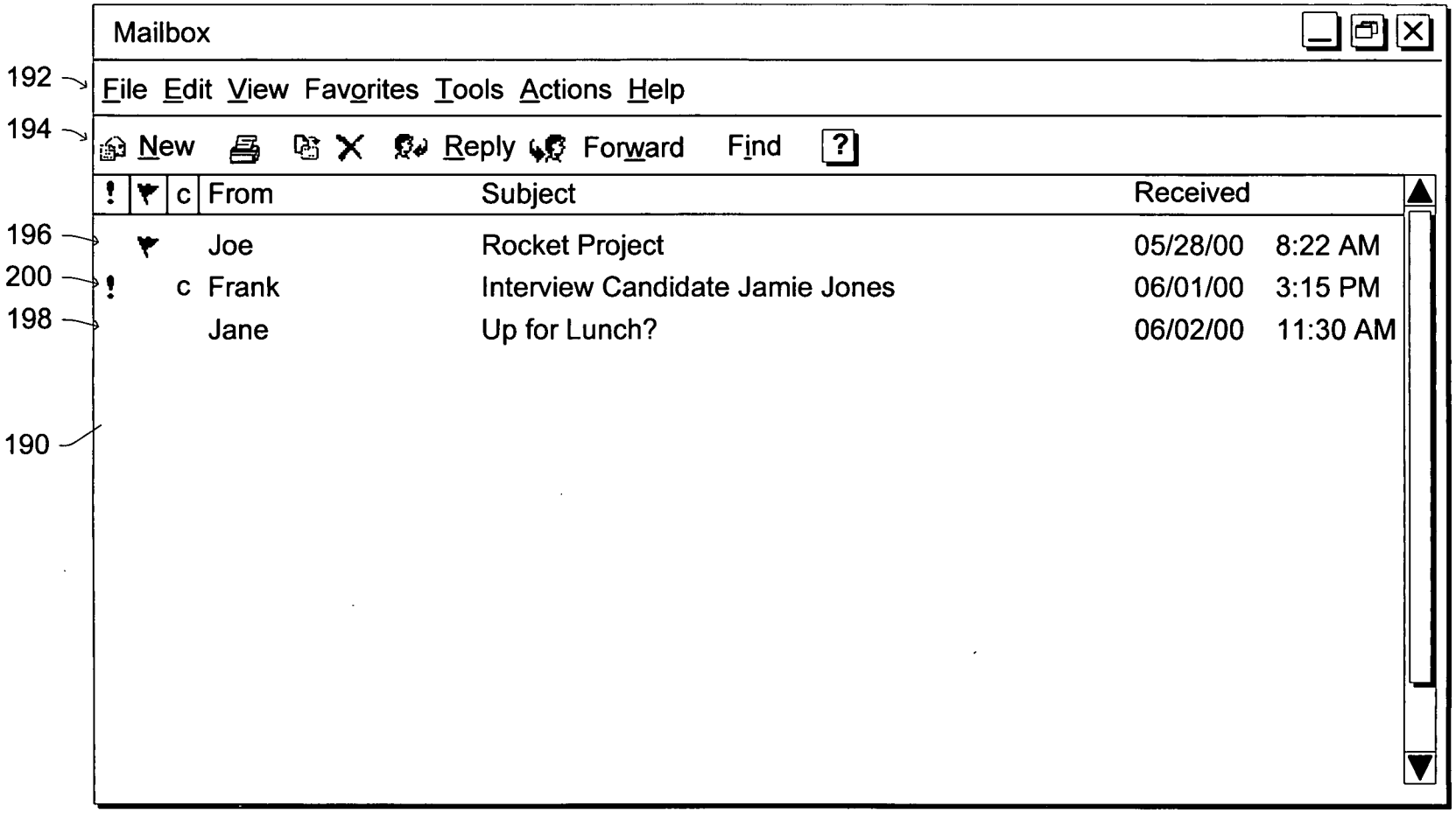
Mailbox
192
File Edit View Favorites Tools Actions Help
194
New
Reply
Forward
Find
From
Subject
Received
196
Joe
Rocket Project
05/28/00 8:22 AM
200
Frank
Interview Candidate Jamie Jones
06/01/00 3:15 PM
198
Jane
Up for Lunch?
06/02/00 11:30 AM
190

Fig. 5

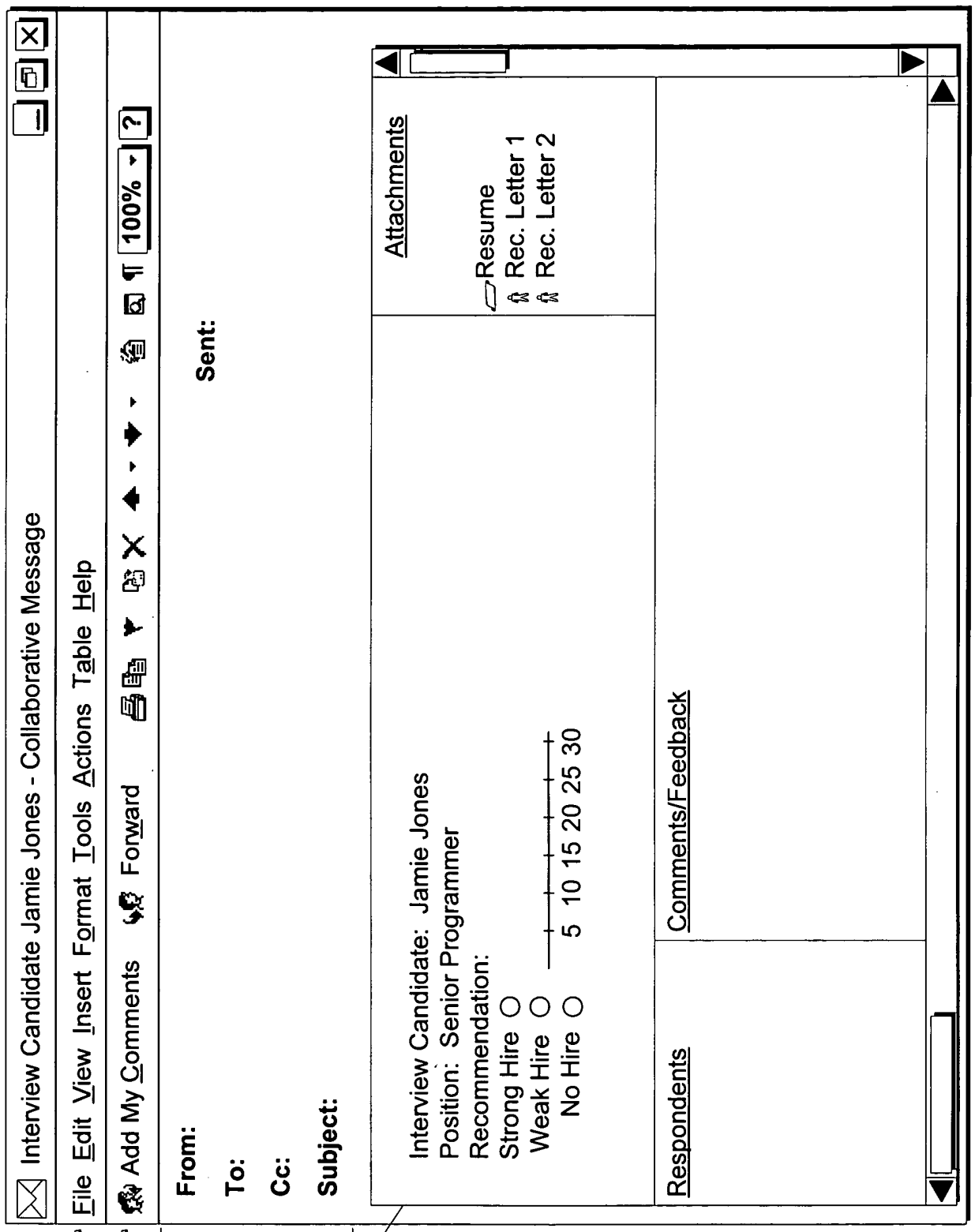
Interview Candidate Jamie Jones - Collaborative Message
File Edit View Insert Format Tools Actions Table Help
Add My Comments
Forward
100%
From:
To:
Cc:
Subject:
Sent:
Attachments
Resume
Rec. Letter 1
Rec. Letter 2
Interview Candidate: Jamie Jones
Position: Senior Programmer
Recommendation:
Strong Hire
Weak Hire
No Hire
5 10 15 20 25 30
Respondents
Comments/Feedback
204
208
206
202

Fig. 6

Docket: MS1-673US

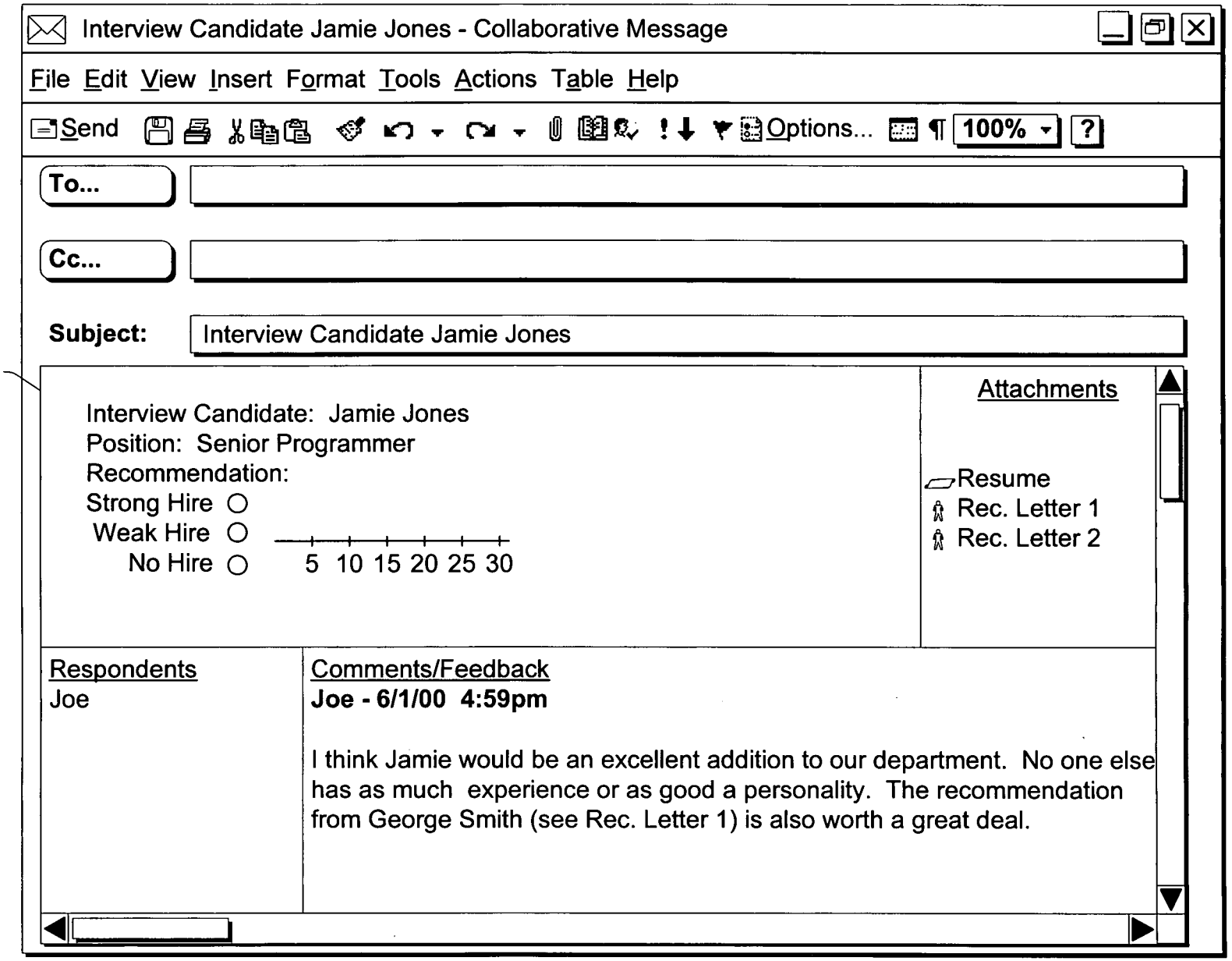

Fig. 7

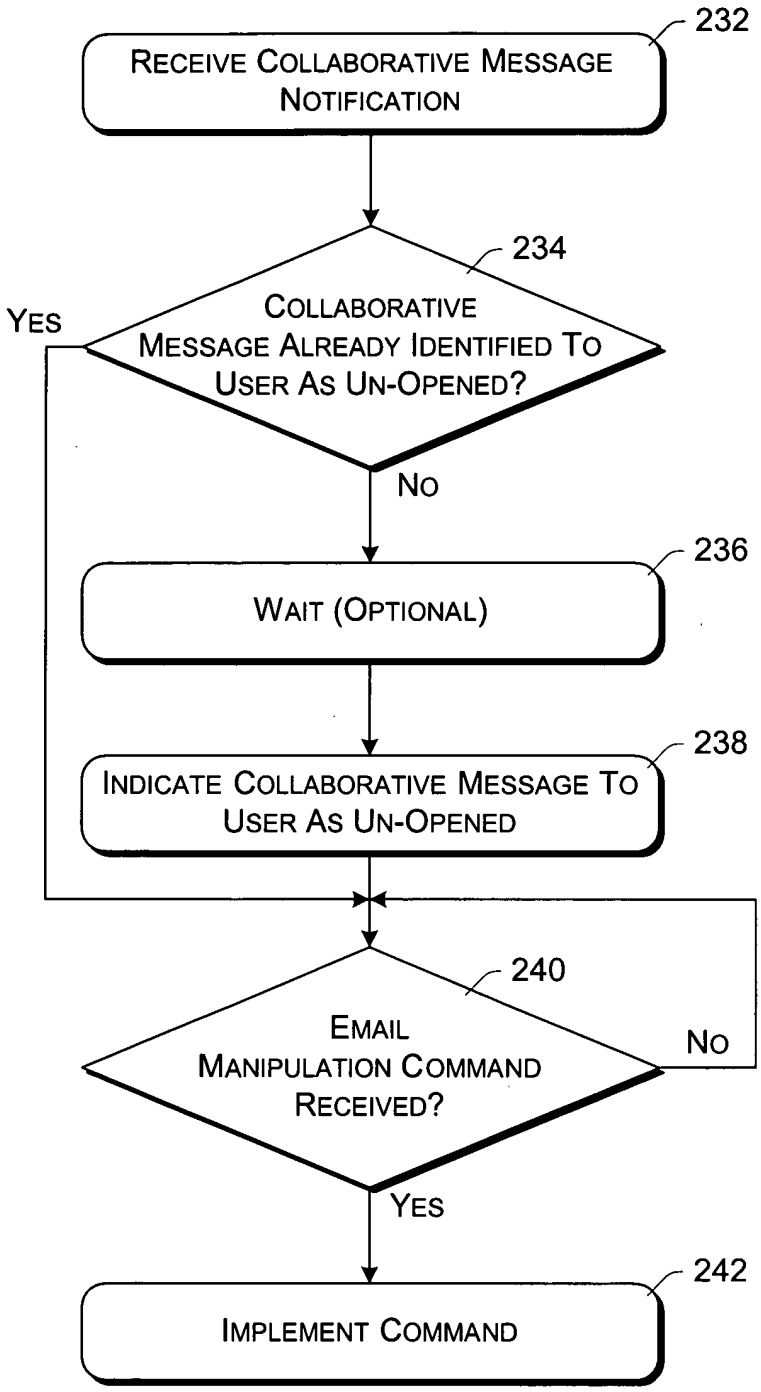
232
RECEIVE COLLABORATIVE MESSAGE NOTIFICATION
234
COLLABORATIVE MESSAGE ALREADY IDENTIFIED TO USER AS UN-OPENED?
YES
NO
236
WAIT (OPTIONAL)
238
INDICATE COLLABORATIVE MESSAGE TO USER AS UN-OPENED
240
EMAIL MANIPULATION COMMAND RECEIVED?
NO
YES
242
IMPLEMENT COMMAND

Fig. 8

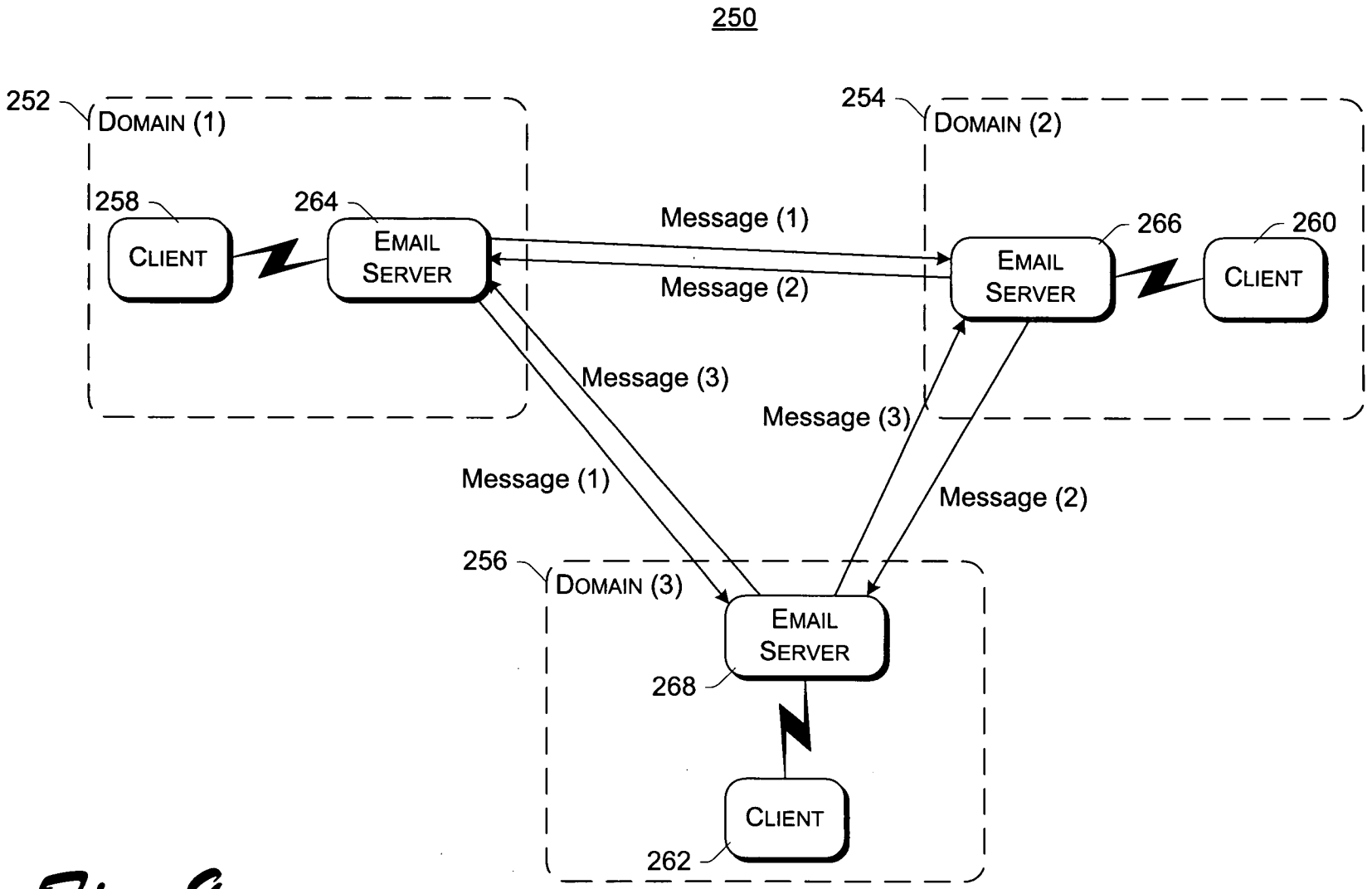
250
252
DOMAIN (1)
254
DOMAIN (2)
258
CLIENT
264
EMAIL SERVER
Message (1)
Message (2)
266
EMAIL SERVER
260
CLIENT
Message (3)
Message (3)
Message (1)
Message (2)
256
DOMAIN (3)
EMAIL SERVER
268
CLIENT
262

Fig. 9

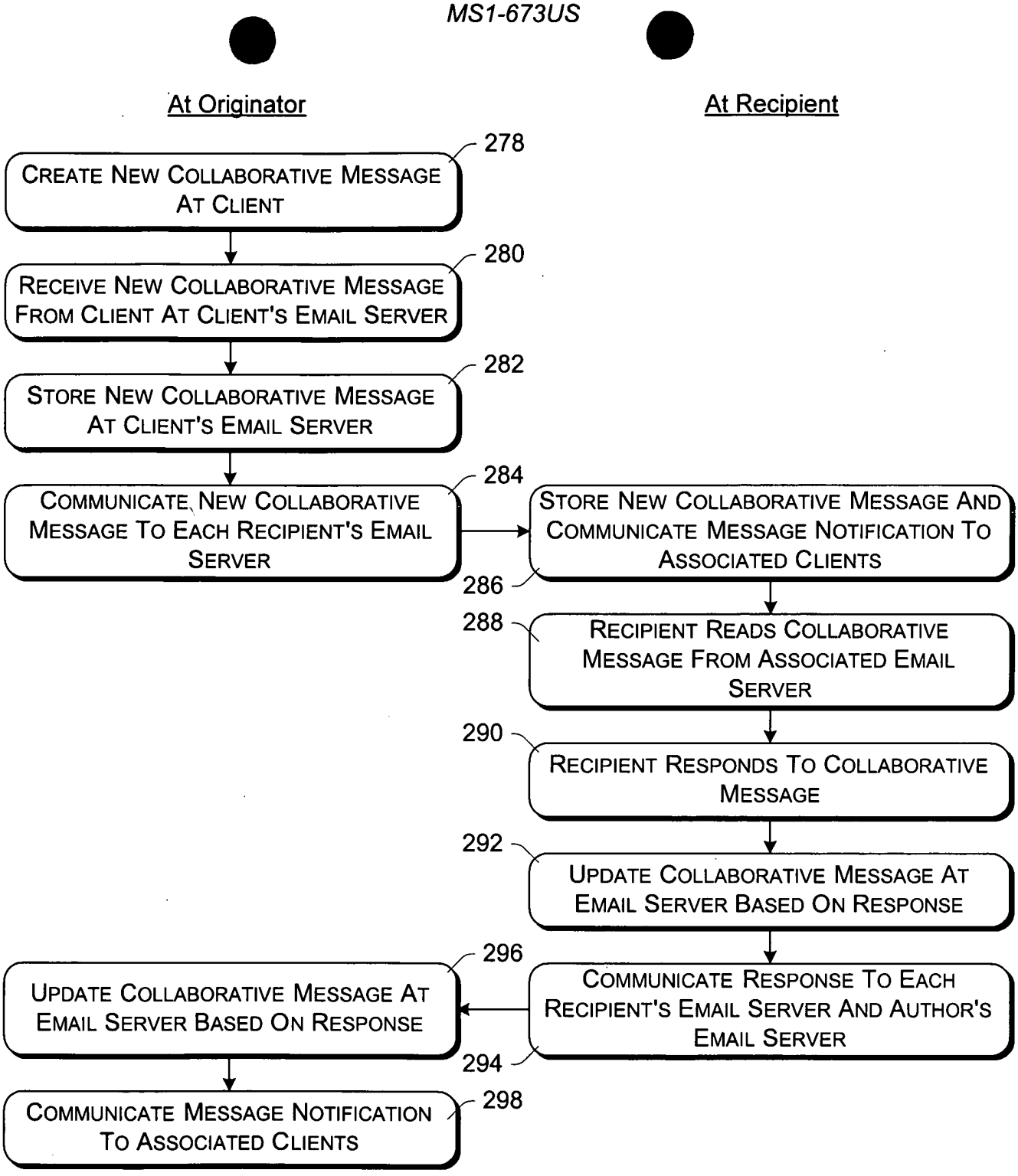
At Originator
At Recipient
278
Create New Collaborative Message At Client
280
Receive New Collaborative Message From Client At Client's Email Server
282
Store New Collaborative Message At Client's Email Server
284
Communicate New Collaborative Message To Each Recipient's Email Server
Store New Collaborative Message And Communicate Message Notification To Associated Clients
286
288
Recipient Reads Collaborative Message From Associated Email Server
290
Recipient Responds To Collaborative Message
292
Update Collaborative Message At Email Server Based On Response
296
Update Collaborative Message At Email Server Based On Response
Communicate Response To Each Recipient's Email Server And Author's Email Server
294
298
Communicate Message Notification To Associated Clients

Fig. 10

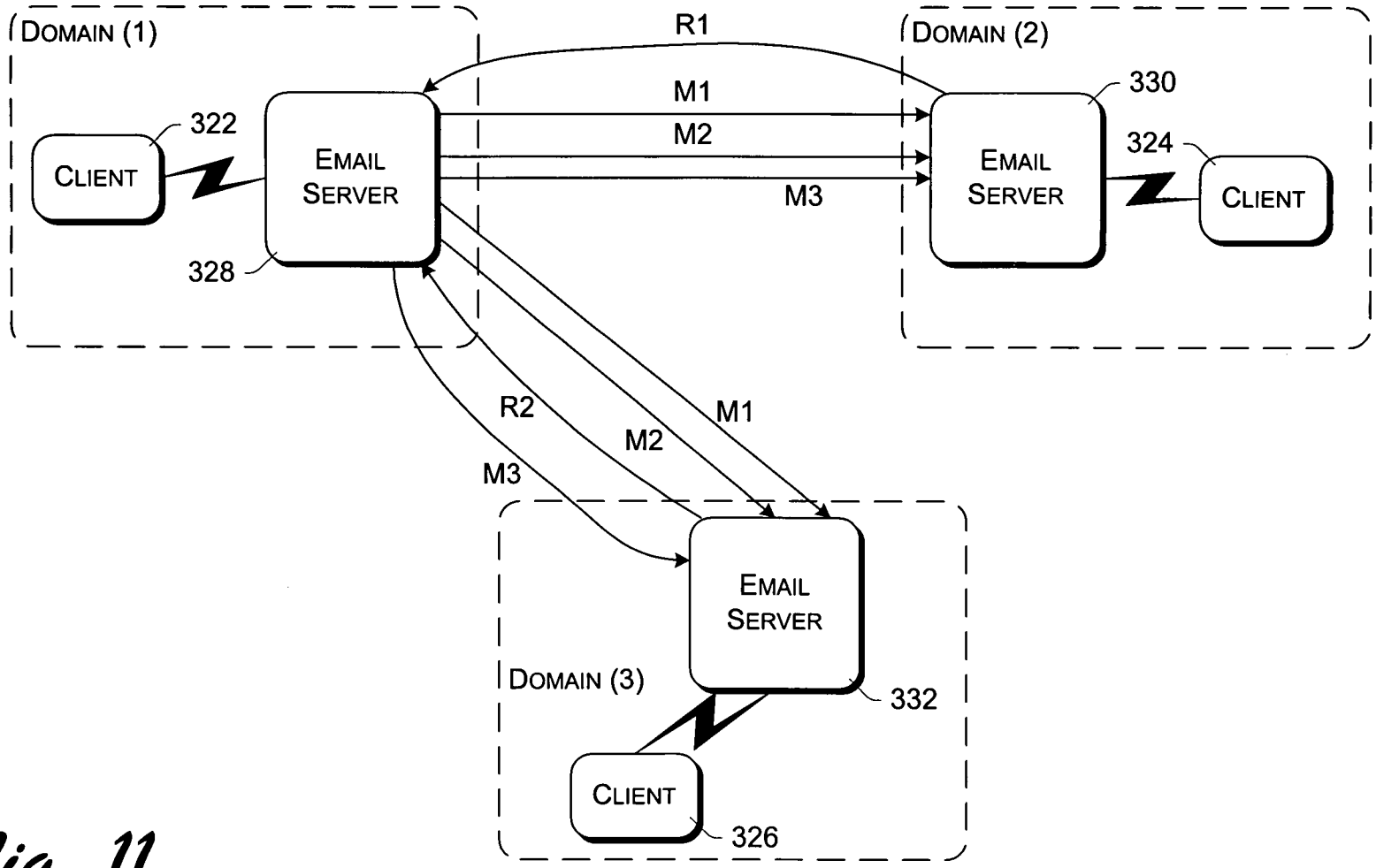
320
DOMAIN (1)
CLIENT
322
EMAIL SERVER
328
R1
M1
M2
M3
DOMAIN (2)
330
EMAIL SERVER
324
CLIENT
R2
M1
M2
M3
EMAIL SERVER
DOMAIN (3)
332
CLIENT
326

Fig. 11

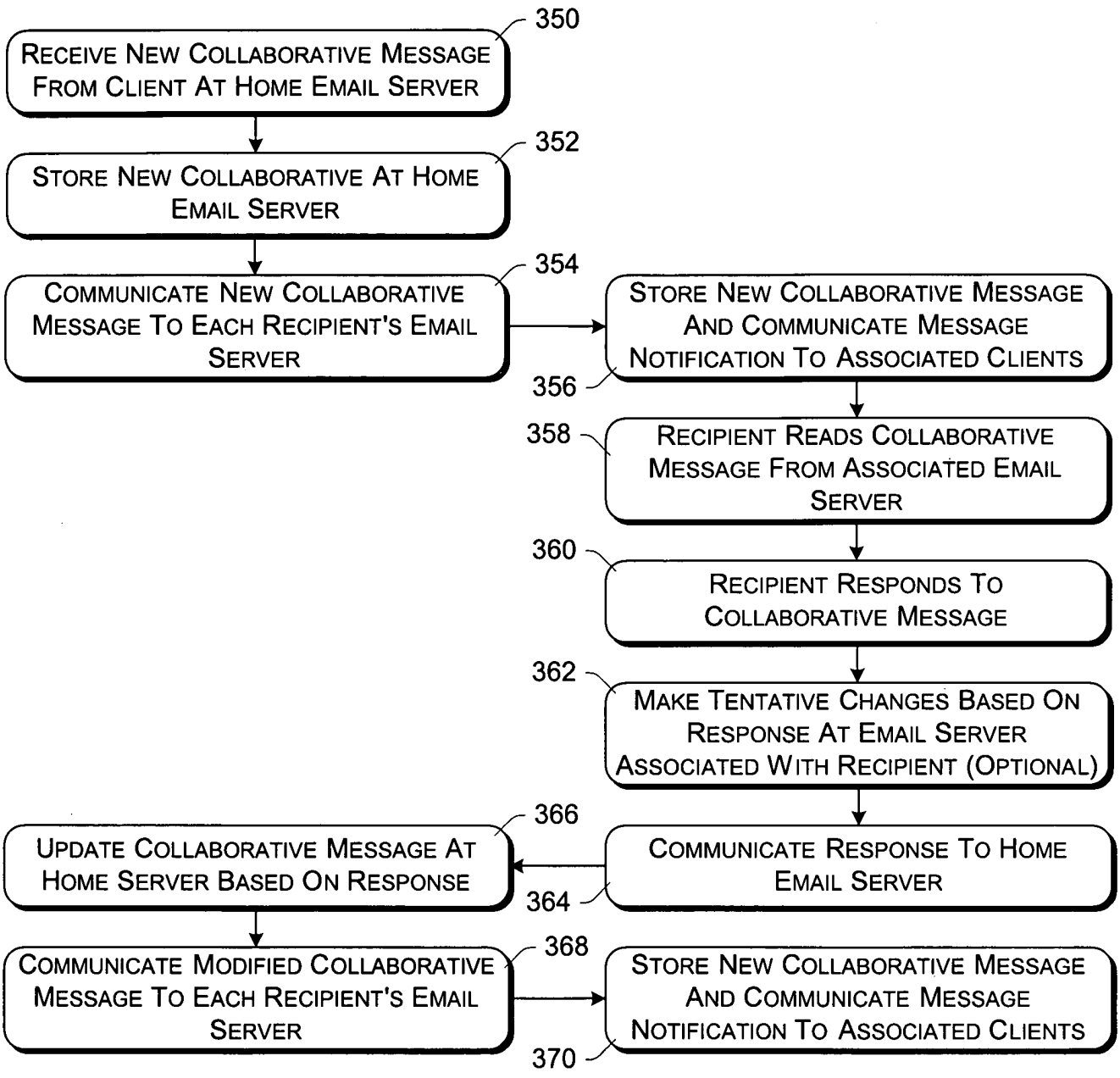
At Originator
At Recipient
350
Receive New Collaborative Message From Client At Home Email Server
352
Store New Collaborative At Home Email Server
354
Communicate New Collaborative Message To Each Recipient's Email Server
Store New Collaborative Message And Communicate Message Notification To Associated Clients
356
358
Recipient Reads Collaborative Message From Associated Email Server
360
Recipient Responds To Collaborative Message
362
Make Tentative Changes Based On Response At Email Server Associated With Recipient (Optional)
366
Update Collaborative Message At Home Server Based On Response
Communicate Response To Home Email Server
364
368
Communicate Modified Collaborative Message To Each Recipient's Email Server
Store New Collaborative Message And Communicate Message Notification To Associated Clients
370

Fig. 12

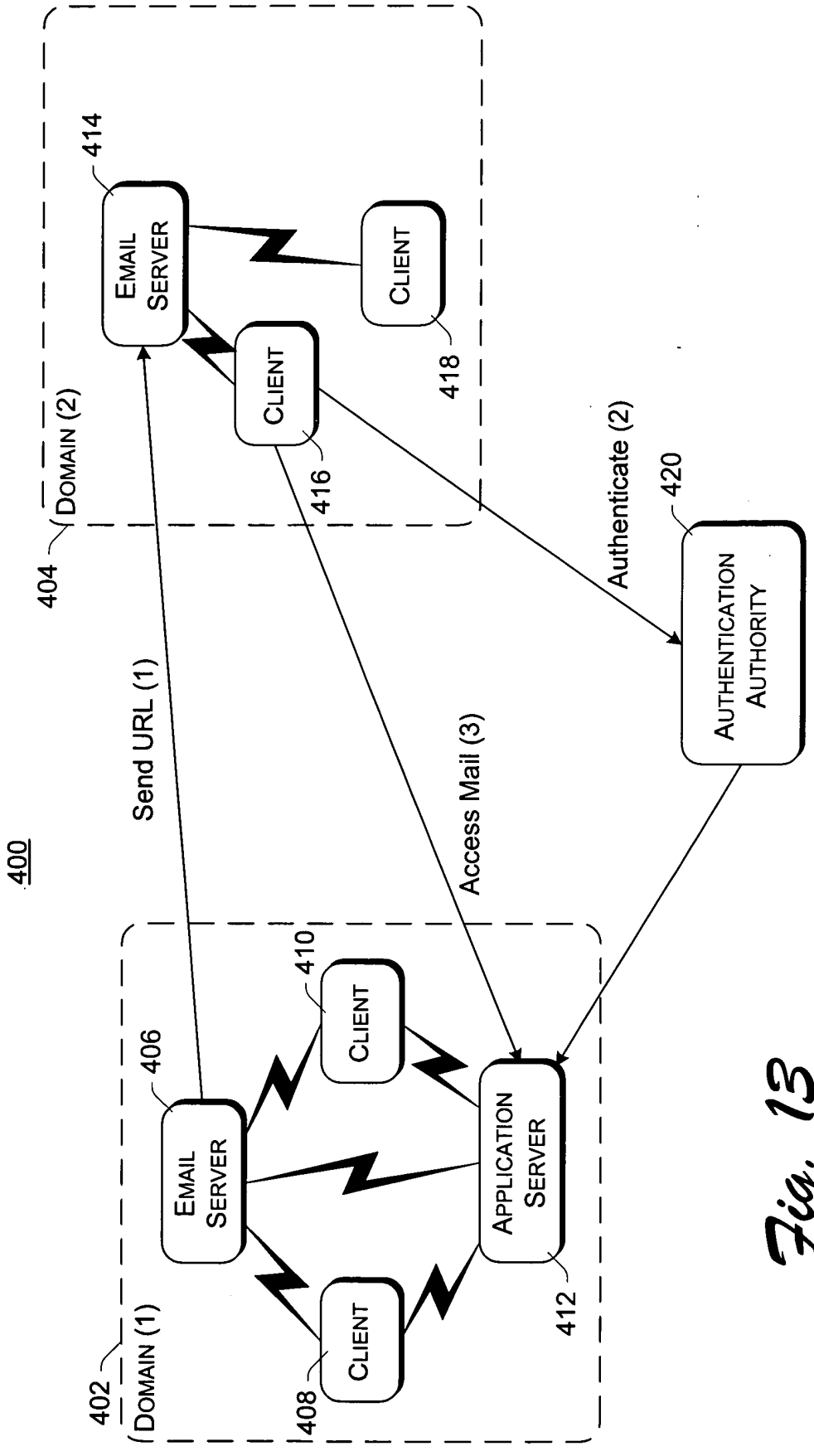
400
Domain (1)
402
Email Server
406
Client
408
Client
410
Application Server
412
Domain (2)
404
Email Server
414
Client
416
Client
418
Send URL (1)
Access Mail (3)
Authenticate (2)
Authentication Authority
420

Fig. 13

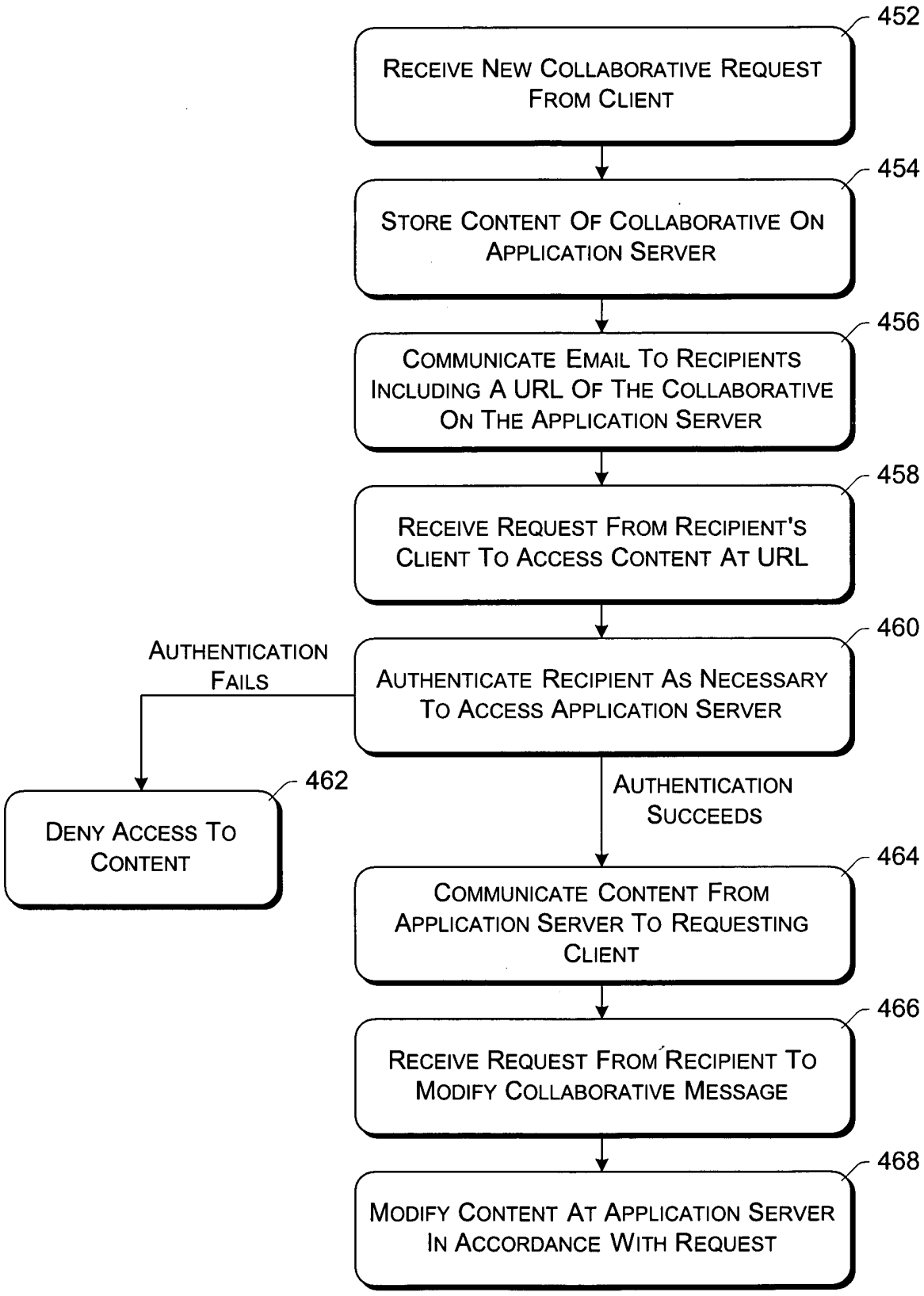
452
Receive New Collaborative Request From Client
454
Store Content Of Collaborative On Application Server
456
Communicate Email To Recipients Including A URL Of The Collaborative On The Application Server
458
Receive Request From Recipient's Client To Access Content At URL
460
Authentication Fails
Authenticate Recipient As Necessary To Access Application Server
462
Deny Access To Content
Authentication Succeeds
464
Communicate Content From Application Server To Requesting Client
466
Receive Request From Recipient To Modify Collaborative Message
468
Modify Content At Application Server In Accordance With Request

Fig. 14

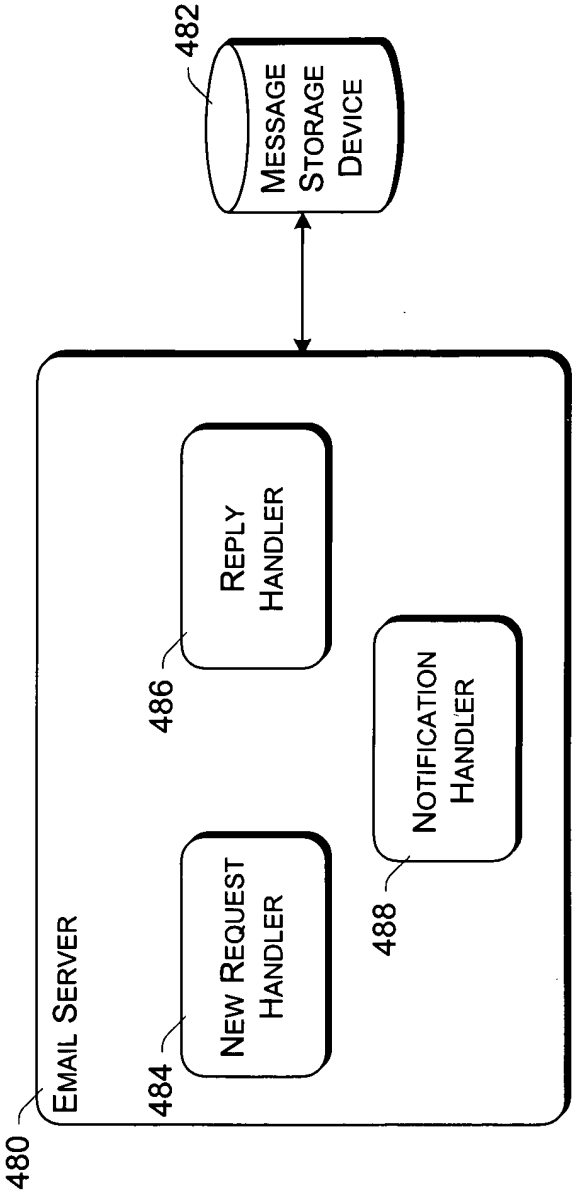
482
MESSAGE STORAGE DEVICE
EMAIL SERVER
480
NEW REQUEST HANDLER
484
REPLY HANDLER
486
NOTIFICATION HANDLER
488

Fig. 15

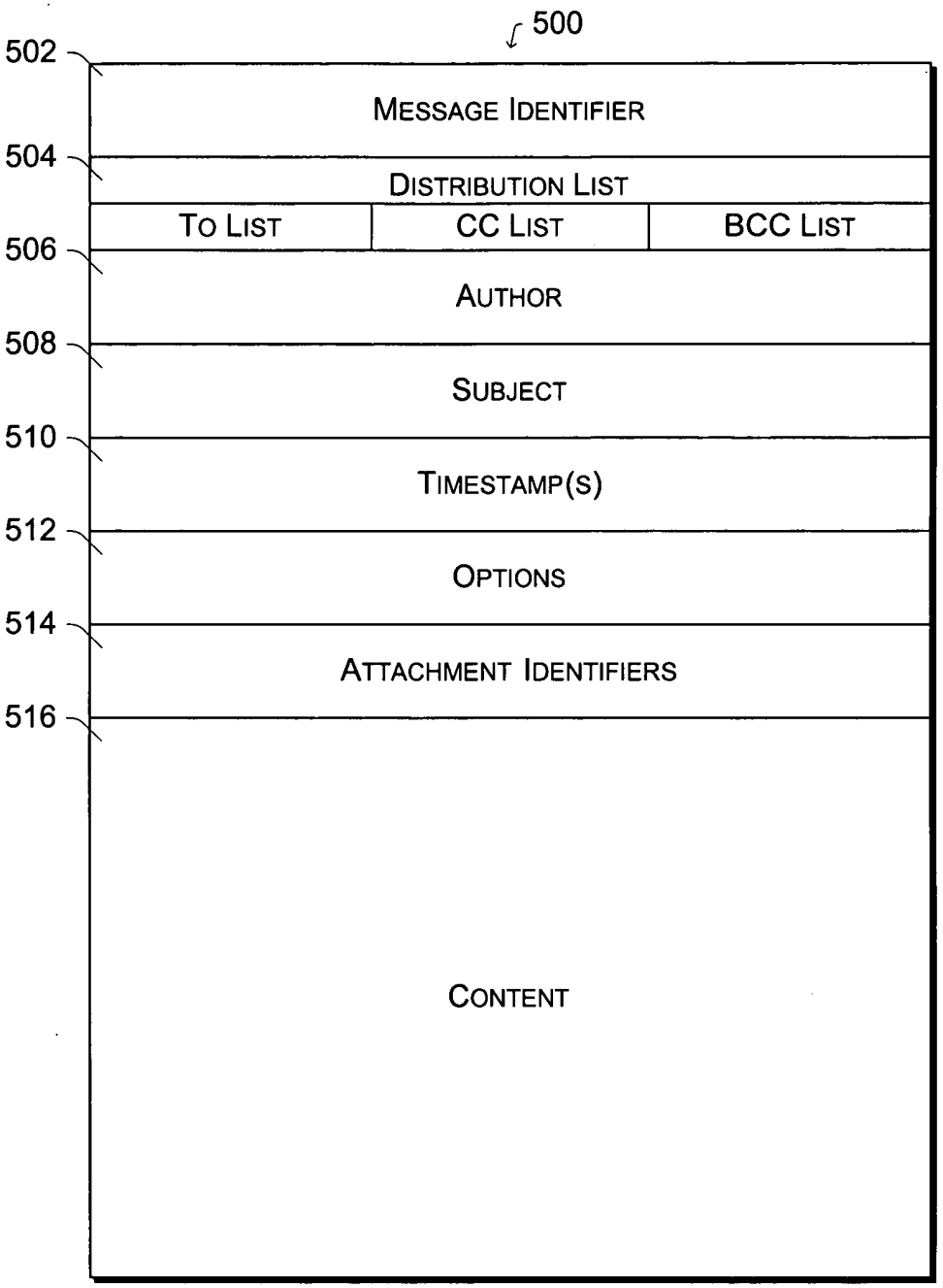
500
502
MESSAGE IDENTIFIER
504
DISTRIBUTION LIST
TO LIST
CC LIST
BCC LIST
506
AUTHOR
508
SUBJECT
510
TIMESTAMP(S)
512
OPTIONS
514
ATTACHMENT IDENTIFIERS
516
CONTENT

Fig. 16

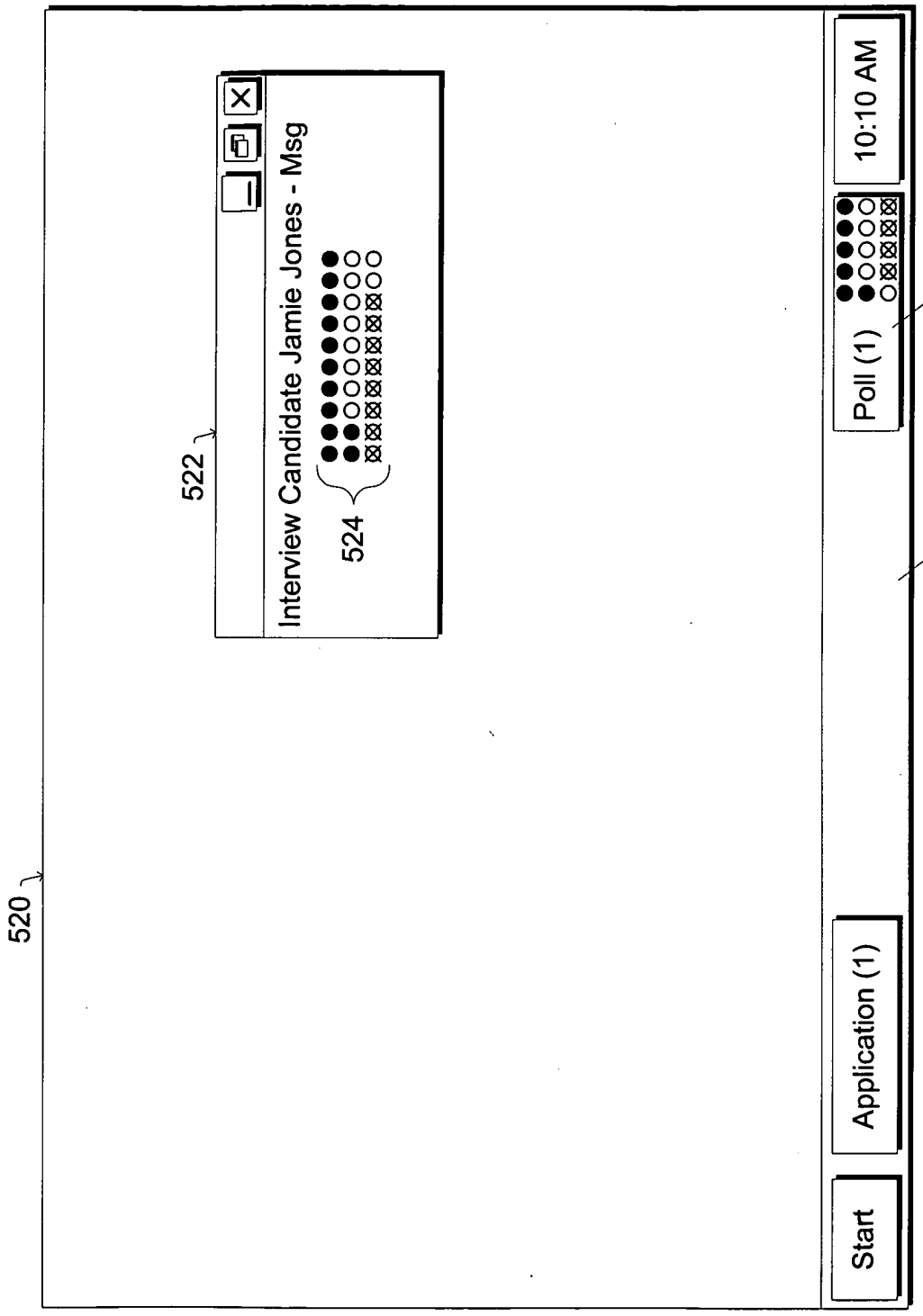
520
522
Interview Candidate Jamie Jones - Msg
524
Start
Application (1)
Poll (1)
526
528
10:10 AM

Fig. 17

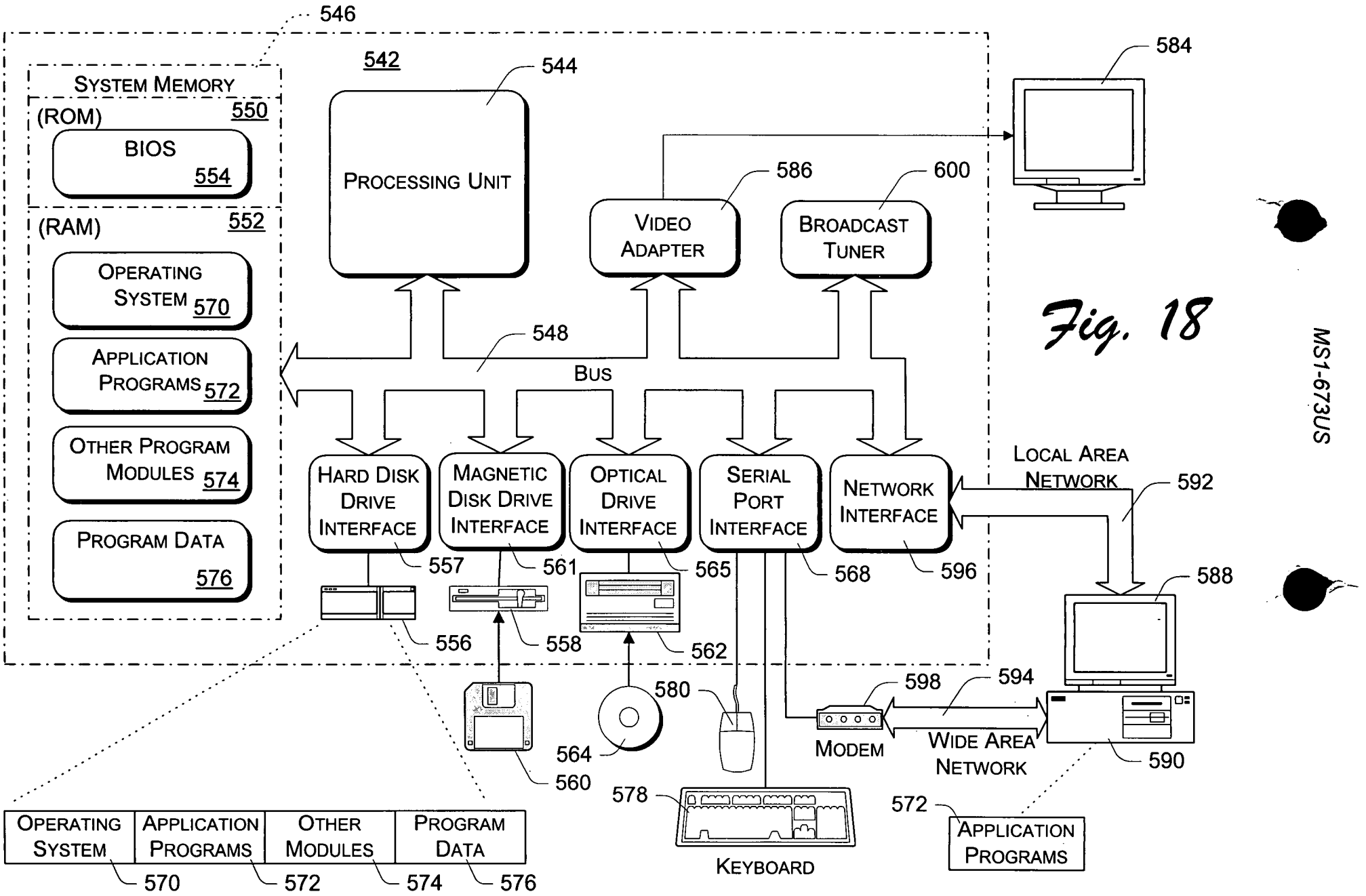

Fig. 18

MS1-673US